

Certificate of Analysis

Promecens Chitosan Hydrochloride (Water-Soluble)

Product Name: Chitosan Oligosaccharide Hydrochloride

Batch No.: COS/04/2025

CAS No.: 70694-72-3

Molecular Weight (Avg.): < 3 kDa (Customizable)

Date of Manufacture: August 2025

Expiry Date: July 2028

Manufacturer: Promecens Entosystems Private Limited

Test Results

Parameter	Specification	Result
Appearance	Off-white/light brown powder or flakes	Off-white or light brown powder
Purity	95% – 100%	99.67%
Viscosity (cS)	1 – 20 cS	1.6 cS
Water Solubility (1g/100ml, RT)	Soluble (with stirring)	Passes
pH (1% solution in distilled water)	2.0 – 5.5	3.40
Solubility in DM Water	8% – 10%	9.89%
Insoluble Matter in Water	Max 1%	0.10%

Remarks

The product **meets all required quality specifications** and has passed comprehensive quality testing for solubility, viscosity, and purity.

Issued on behalf of Promecens Entosystems Pvt. Ltd.